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TECHNICAL NOTES

LAKE STATES FOREST EXPERIMENT STATION
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Lake States Pulpwood Production Up 11 Percent in 1960 CURRENT SERIAL RECORDS

The 1960 harvest of pulpwood in the Lake States was 3,337,000 cords, 11 percent larger than the previous high of 3,019,000 cords attained in 1959.

Each of the three Lake States registered a rise in production over the previous year. The increase in Michigan was most impressive: almost 20 percent. Following the pattern established during the previous year, Michigan continued to be the leading pulpwood-producing State in the region, accounting for 37 percent of the total cut. Minnesota and Wisconsin each accounted for $31\frac{1}{2}$ percent.

Stepped-up production of aspen and softwood species (except pine), contributed to the heavier cut of pulpwood. Aspen registered the largest gain with a cut 20 percent higher than that of the previous year. Michigan increased its aspen cut 28 percent and Wisconsin 25 percent. The cut of miscellaneous dense hardwoods, which has been increasing each year, registered only a modest gain in 1960. Michigan's cut of these species was less than that of the previous year.

Lake States mills procured wood-chips and other plant residues in amounts about equal to those of 1959. On the other hand, exports of wood-chips to other States dropped off sharply, declining 39 percent.

Total 1960 pulpwood receipts at Lake States mills were nearly 3-3/4 million cords, an increase of 9 percent from the previous year. Michigan and Wisconsin receipts were up 16 percent and 12 percent, respectively, while those of Minnesota were down about 3 percent. Lake States forests supplied 89 percent of the pulpwood received, Canada 9 percent, and western States 2 percent (see following table).

Geographic origin and destination of pulpwood received
by Lake States mills, 1960

Species	Percent of pulpwood originating from:					Percent of pulpwood received by:		
	Minn.		Wis.	Mich.	Canada	Other U. S.	Minn.	Wis.
Aspen	24	33	41	2	-	25	48	27
Balsam fir	39	14	39	8	-	24	51	25
Birch	3	73	24	-	-	3	85	12
Hemlock	-	53	47	-	-	-	98	2
Pine	33	18	28	9	12	24	57	19
Spruce	40	3	18	39	-	19	65	16
Tamarack	65	19	16	-	-	9	91	-
Misc. hardwoods	1/3	2/70	2/27	-	-	3	74	23
Slabs, veneer cores, etc.	-	99	1	-	-	-	100	-
Chips	-	65	17	-	18	-	100	-
Total	28	28	33	9	2	21	57	22
Previous year (1959)	29	28	31	10	2	24	55	21

1/ Balsam poplar (balm-of-Gilead).

2/ Mostly dense hardwoods.

(over)

July 1961

A. G. Horn, Research Forester.

Production and imports of pulpwood, Lake States, 1960

(In standard cords, unpeeled)

Species and destination	Production by states ^{1/}					Imports			Total receipts
	Minnesota	Wisconsin	Michigan	Region	Other U.S. ^{2/}	Canada	Total imports		
Aspen									
Minn.	379,239	17,680	-	396,919	-	11,321	11,321	408,240	
Wis.	12,604	522,519	249,905	785,028	-	93	93	785,121	
Mich.	-	176	419,034	419,210	-	11,362	11,362	430,572	
Total	391,843	540,375	668,939	1,601,157	-	22,776	22,776	1,623,933	
Balsam fir									
Minn.	82,884	-	-	82,884	-	1,687	1,687	84,571	
Wis.	51,204	50,093	74,843	176,140	-	177	177	176,317	
Mich.	-	82	60,140	60,222	-	25,334	25,334	85,556	
Exported ^{3/}	11,330	-	-	11,330	-	-	-	-	
Total	145,418	50,175	134,983	330,576	-	27,198	27,198	346,444	
Birch, white									
Minn.	1,029	-	-	1,029	-	-	-	1,029	
Wis.	50	26,803	4,286	31,139	-	-	-	31,139	
Mich.	-	-	4,668	4,668	-	-	-	4,668	
Total	1,079	26,803	8,954	36,836	-	-	-	36,836	
Hemlock									
Minn.	-	-	-	-	-	-	-	-	
Wis.	-	51,924	44,722	96,646	-	-	-	96,646	
Mich.	-	-	1,845	1,845	-	-	-	1,845	
Total	-	51,924	46,567	98,491	-	-	-	98,491	
Pine									
Minn.	124,731	832	-	125,563	-	38,164	38,164	163,727	
Wis.	100,239	123,010	59,399	282,648	80,155	24,950	105,105	387,753	
Mich.	-	-	128,214	128,214	-	-	-	128,214	
Total	224,970	123,842	187,613	536,425	80,155	63,114	143,269	679,694	
Spruce									
Minn.	110,853	-	-	110,853	-	5,462	5,462	116,315	
Wis.	128,000	18,322	60,794	207,116	163	181,870	182,033	389,149	
Mich.	19	24	47,692	47,735	-	46,292	46,292	94,027	
Exported ^{3/}	17,497	-	-	17,497	-	-	-	-	
Total	256,369	18,346	108,486	383,201	163	233,624	233,787	599,491	
Tamarack									
Minn.	2,612	-	-	2,612	-	-	-	2,612	
Wis.	15,956	5,573	4,608	26,137	-	-	-	26,137	
Mich.	-	-	-	-	-	-	-	-	
Total	18,568	5,573	4,608	28,749	-	-	-	28,749	
Misc. dense hwds.									
Minn. ^{4/}	10,056	-	-	10,056	-	-	-	10,056	
Wis. ^{4/}	-	198,016	9,719	207,735	-	-	-	207,735	
Mich. ^{4/}	-	-	65,485	65,485	-	-	-	65,485	
Exported ^{3/}	-	5,550	-	5,550	-	-	-	-	
Total	10,056	203,566	75,204	288,826	-	-	-	283,276	
Roundwood, total									
Minn.	711,404	18,512	-	729,916	-	56,634	56,634	786,550	
Wis.	308,053	996,260	508,276	1,812,589	80,318	207,090	287,408	2,099,997	
Mich.	19	282	727,078	727,379	-	82,988	82,988	810,367	
Exported ^{3/}	28,827	5,550	-	34,377	-	-	-	-	
Total	1,048,303	1,020,604	1,235,354	3,304,261	80,318	346,712	427,030	3,696,914	
Slabs, veneer cores, etc.									
Minn.	-	-	-	-	-	-	-	-	
Wis.	-	6,338	90	6,428	-	-	-	6,428	
Mich.	-	-	-	-	-	-	-	-	
Exported ^{3/}	-	47	-	47	-	-	-	-	
Total	-	6,385	90	6,475	-	-	-	6,428	
Chips									
Minn.	-	-	-	-	-	-	-	-	
Wis.	-	5,239	1,379	6,618	1,405	-	1,405	8,023	
Mich.	-	-	-	-	-	-	-	-	
Exported ^{3/}	-	19,498	335	19,833	-	-	-	-	
Total	-	24,737	1,714	26,451	1,405	-	1,405	8,023	
All wood material									
Minn.	711,404	18,512	-	729,916	-	56,634	56,634	786,550	
Wis.	308,053	1,007,837	509,745	1,825,635	81,723	207,090	288,813	2,114,448	
Mich.	19	282	727,078	727,379	-	82,988	82,988	810,367	
Exported ^{3/}	28,827	25,095	335	54,257	-	-	-	-	
Total	1,048,303	1,051,726	1,237,158	3,337,187	81,723	346,712	428,435	3,711,365	

1/ Vertical columns of figures under box heading
 "Production by States" present the amount of
 pulpwood cut in each state.

2/ Mostly western states.

3/ Pulpwood shipped to mills outside of region.
 4/ Balsam poplar (balm-of-Gilead) in Minnesota,
 mostly dense hardwoods in other states.